

## **REMARKS**

Currently, claims 1-52 are pending in the application, of which claims 1-33 and 43-49 are withdrawn from further consideration. Accordingly, claims 34-42 and 50-52 are currently active in this application, of which claims 34 and 50 are independent.

In view of the following Remarks, Applicant respectfully requests reconsideration and withdrawal of the objections and rejections for the reasons discussed below.

### **CLAIMS 35-37**

Claims 36 and 37 are dependent from claim 35. However, the Office Action indicates that claim 35 is not anticipated by U. S. Patent No. 5, 515,303 issued to Cargin, Jr. et al. ("Cargin"), but that its dependent claims 36 and 37 are anticipated by Cargin. Also, the Office Action further indicates that claim 35 would have been obvious over U. S. Patent No. 6,229,695 to Moon ("Moon") in view of U. S. Patent No. 6,181,572 to Lutz, Jr. ("Lutz") but that its dependent claims 36 and 37 would not have been obvious over them. Appropriate correction is respectfully requested in the next Office Action.

## Objection to the Drawings

The drawings were objected to for failing to comply with 37 CFR §1.84(p)(4) because the reference character "600" has been used to designate both the rear case and mold frame. This objection is respectfully traversed for at least the following reason.

In Figs. 2 and 3 of the present application, the mold frame is designated by the reference character "600", and the rear case is designated by the reference character "220". Also, throughout the specification and drawings, the reference character "220" and "600" are never used to designate different parts. Thus, withdrawal of the objection is respectfully requested.

The drawings were objected to under 37 CFR 1.83(a) for failing to show every feature of the invention specified in the claims. Particularly, the Examiner stated the drawings fails to show "the fixing unit is shorter than the highest one of elements constituting the PCB" in claim 42. This objection is respectfully traversed for at least following reason.

Fig. 10 of the present application shows that "a thickness, i.e. a height  $t_2$ , at a portion that the inverter board 500 is overlapped with the second bracket 900 is *lower* than a height  $t_3$  from the rear surface of the inverter board 300 to the upper surface of the third connector 512 which has *the largest size in height among the elements* mounted on the inverter board 500" (emphasis added). (Specification, page 29, lines 16-19) Since Fig. 10 shows the aforementioned claimed feature, withdrawal of the objection is respectfully requested.

### **Objection to the Claims**

Claim 50 was objected to for informalities. Particularly, the Examiner stated “a rear case’ and ‘a mold frame’ both are the same element as Fig. 4 disclosed.” (Office Action, page 3) This objection is respectfully traversed.

As mentioned above, Fig. 4 shows the rear case 220 and the mold frame 600. Hence, Fig. 4 does not indicate that they are the same element. Accordingly, Applicant respectfully requests withdrawal of the objection to claim 50.

### **Rejection of Claims under 35 U.S.C. §102**

Claims 34, 36-41, 50 and 52 stand rejected under 35 U.S.C. §102(b) as being anticipated by U. S. Patent No. 5,515,303 issued to Cargin. Applicant respectfully traverses this rejection for at least the following reasons.

With respect to claims 34 and 36-42, independent claim 34 recites:

“34. A liquid crystal display (LCD) device,  
comprising:  
a displaying unit displaying an image;  
a bottom chassis receiving the displaying unit;  
a mold frame receiving the bottom chassis and having  
an opening exposing a bottom surface of the bottom chassis;  
and  
a printed circuit board (PCB) controlling the displaying  
unit and mounted directly on the bottom surface of the  
bottom chassis.”

In this regard, the Examiner asserted that Cargin discloses all the elements and limitations of claim 34. Applicants respectfully disagree with this assertion.

First, the bottom housing 12 shown in Fig. 2 of Cargin does not correspond to the claimed mold frame because the bottom housing 12 does not have any opening, as

required by claim 34. This is further evidenced by the fact that the Examiner has not pointed out where in Cargin discloses or suggests the bottom housing 12 has an opening. Also, the bottom housing 12 may correspond to the rear cover 220 of the present application, but would not correspond to the mold frame 600. Thus, it is submitted that Cargin fails to disclose or suggest the claimed mold frame having an opening.

Second, the display circuit board 43 of Cargin does not correspond to the bottom chassis frame because the display circuit board 43 is a PCB board, not a chassis. For example, Fig. 3 of the present application shows the A/D board 400 and the inverter board 500 mounted on the bottom chassis 300. If the bottom chassis 300 were a PCB board, the A/D board 400 and the inverter board 500 would have been integrated into the chassis, and there would be no need for mounting the A/D board 400 and the inverter board 500 on the chassis 300. Thus, it is submitted that Cargin fails to disclose or suggest the claimed bottom chassis.

For these reasons, it is respectfully submitted that claim 34 is patentable over Cargin. Claims 36-42 are dependent from claim 34 and hence are also patentable at least for the same reason.

With respect to claims 50 and 52, independent claim 50 recites:

“50. A monitor, comprising:  
a front case;  
a rear case combined with the front case; and  
a liquid crystal display (LCD) device disposed  
between the front case and rear case and comprising:  
a displaying unit;  
a bottom chassis receiving the displaying unit;

a mold frame receiving the bottom chassis and having an opening exposing a bottom surface of the bottom chassis;  
and  
a printed circuit board (PCB) controlling the displaying unit and directly mounted on the bottom surface of the bottom chassis.”

As mentioned above, Cargin fails to disclose or suggest (a) the bottom chassis and (b) the mold frame having an opening exposing the bottom surface of the bottom chassis. Thus, it is submitted that claim 50 is patentable over Cargin. Dependent claim 52 would be also patentable at least for the same reason.

Accordingly, Applicant respectfully requests withdrawal of the 35 U.S.C. §102(b) rejection of claims 34, 36-41, 50 and 52.

### **Rejection of Claims under 35 U.S.C. §103**

Claims 34, 36-42, 50 and 52 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Moon in view of Lutz. Applicant respectfully traverses this rejection for at least the following reasons.

With respect to independent claim 34, the Examiner stated that Moon discloses all the claimed elements and limitations thereof except for the frame being formed by molding. Regarding this missing feature, the Examiner stated that Lutz discloses “the housing made of plastic, which is formed by molding.” (Office Action, page 8) Based on these two pieces of prior art, the Examiner asserted that it would have been obvious to the liquid crystal display of Moon with the housing made of plastic. (Office Action, page 8)

This assertion is respectfully traversed with because the housing 30 of Moon does not correspond to the claimed mold frame. Claim 34 recites "a mold frame ... having an *opening* exposing a bottom surface of the bottom chassis" (emphasis added). The housing 30 of Moon does not have any opening that exposes the device plate 40 (asserted claimed bottom chassis). Thus, the housing 30 does not correspond to the claimed mold frame.

Lutz discloses an xDLS modem assembly but does not cure the deficiency of Moon. Since none of the cited references discloses or suggests "a mold frame ... having an *opening* exposing a bottom surface of the bottom chassis," it is respectfully submitted that claim 34 is patentable over the proposed combination. Claims 36-42 are dependent from claim 34 and hence are also patentable at least for the same reason.

With respect to claim 50, the Examiner takes the position that the housing 30 of Moon corresponds to both the claimed mold frame and the claimed rear case. However, according to claim 50, the mold frame and the rear case are two separate elements. An example of this feature is shown in Fig. 3 of the present application, in which the mold frame 300 and the rear case 220 are provided independently from each other. Thus, Moon fails to disclose one of the claimed mold frame and rear case. Lutz fails to cure this deficiency from Moon.

Also, claim 50 recites "a mold frame ... having an *opening* exposing a bottom surface of the bottom chassis." As mentioned above, none of the cited references discloses or suggests this claimed feature. For these reasons, it is respectfully submitted that claim 50 is patentable over the cited references. Its dependent claim 52 would be also patentable at least for the same reason.

Accordingly, Applicant respectfully requests withdrawal of the 35 U.S.C. §103(a) rejection of claims 34, 36-42, 50 and 52.

Claims 35 and 51 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Cargin in view of U. S. Patent No. 6,016,083 issued to Satoh ("Satoh"). Applicant respectfully traverses this rejection for at least the following reasons.

Claim 35 is dependent from claim 34. As mentioned above, independent claim 34 is patentable over Cargin because, for example, Cargin fails to disclose or suggest (a) the claimed mold frame having an opening and (b) the claimed bottom chassis. Satoh discloses the shield case 101 covering the printed circuit board 102 but fails to cure the deficiency of Cargin. Since none of the cited references discloses or suggests these claimed features, it is submitted that claim 34 is patentable over them. Its dependent claim 35 is also patentable at least for the same reasons.

Claim 51 is dependent from claim 50. As mentioned above, independent claim 50 is patentable over Cargin because, for example, Cargin fails to disclose or suggest (a) the bottom chassis and (b) the mold frame having an opening exposing the bottom surface of the bottom chassis, as claimed. As mentioned above, Satoh fails to cure the deficiency of Cargin. Since none of the cited references discloses or suggests these claimed features, it is submitted that claim 50 is patentable over them. Its dependent claim 51 is also patentable at least for the same reasons.

Accordingly, Applicant respectfully requests withdrawal of the 35 U.S.C. §103(a) rejection of claims 35 and 51.

Claims 35 and 51 stand rejected under 35 U.S.C. §103(a) as being unpatentable over Moon in view of Lutz and further in view of Satoh. Applicant respectfully traverses this rejection for at least the following reasons.

Claim 35 is dependent from claim 34. As mentioned above, independent claim 34 is patentable over Moon and Lutz because, for example, they fail to disclose or suggest "a mold frame ... having an *opening* exposing a bottom surface of the bottom chassis" as claimed. Satoh discloses the shield case 101 covering the printed circuit board 102 but fails to cure the deficiency of Moon and Lutz. Since none of the cited references discloses or suggests these claimed features, it is submitted that claim 34 is patentable over them. Its dependent claim 35 is also patentable at least for the same reasons.

Claim 51 is dependent from claim 50. As mentioned above, independent claim 50 is believed to be patentable over Moon and Lutz because, for example, they fail to disclose or suggest (a) one of the claimed mold frame and rear case and (b) the mold frame having an opening exposing the bottom surface of the bottom chassis, as claimed. As mentioned above, Satoh fails to cure the deficiency of Moon and Lutz. Since none of the cited references discloses or suggests these claimed features, it is submitted that claim 50 is patentable over them. Its dependent claim 51 is also patentable at least for the same reasons.

## **Conclusion**

Applicant believes that a full and complete response has been made to the Office Action and respectfully submits that all of the stated objections and grounds for rejection

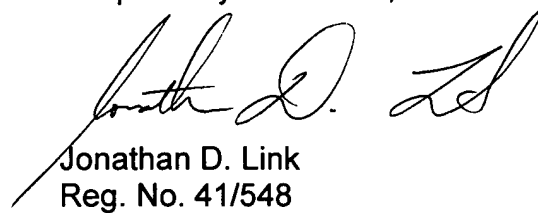


have been overcome or rendered moot. Accordingly, Applicant respectfully submits that all pending claims are allowable and that the application is in condition for allowance.

Should the Examiner feel that there are any issues outstanding after consideration of this response, the Examiner is invited to contact the Applicant's undersigned representative at the number below to expedite prosecution.

Prompt and favorable consideration of this Reply is respectfully requested.

Respectfully Submitted,



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